

# Wildlife Wetland Habitat Management

## PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 644



### DEFINITION

Wildlife wetland habitat management is retaining, creating, or managing wetland habitat for wildlife.

### PRACTICE INFORMATION

This practice is used to create or improve habitat for waterfowl, furbearers, or other wildlife. It applies on wetland and other areas where water can be impounded or regulated by diking, ditching, or flooding.

The practice is planned for specific species of wildlife. Specifications for the practice include items such as:

- Practice components, including structures, necessary to meet the

requirements of the desired species of wildlife.

- The required seasonal water depths necessary to provide adequate habitat during different seasons of the year
- Adapted plant species required for reproduction, food and cover by target species of wildlife
- Management of vegetation to assure sustainability

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.

The following pages list the conservation effects expected to occur when this practice is applied. These effects are subjective and somewhat dependent on variables such as climate, terrain, and soil. Users are cautioned that these effects are estimates that may or may not apply to a specific site.

## CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

STATE	Iowa	FIELD OFFICE		DATE	5/15/97
<b>PRACTICE:</b> 644 Wildlife Wetland Habitat Management			NOTES:		
<b>RESOURCE: SOIL</b> <b>RESOURCE CONCERN: EROSION</b>			<b>Help Message: Click on form field for choice lists. Tab key to move around. "N/A" is the default.</b>		
<b>RESOURCE INDICATORS</b>			<b>PHYSICAL EFFECTS</b>		
SHEET AND RILL			significant reduction in sheet and rill erosion		
WIND			significant reduction in wind erosion		
EPHEMERAL GULLY			significant reduction in ephemeral gully erosion		
CLASSIC GULLY			N/A		
STREAMBANK			moderate reduction in streambank erosion		
IRRIGATION INDUCED			moderate reduction in irrigation induced erosion		
SOIL MASS MOVEMENT			N/A		
ROADBANK/CONSTRUCTION			N/A		
OTHER					
<b>RESOURCE CONCERN: SOIL CONDITION</b>					
SOIL TILTH			situational concerning soil tilth		
SOIL COMPACTION			situational concerning soil compaction		
SOIL CONTAMINATION					
• SALTS			situational concerning contam. from salts		
• ORGANICS			moderate decrease in organic contaminants		
• FERTILIZERS			moderate reduction in contaminants from fertilizer		
• PESTICIDES			moderate reduction in pesticide contam./soil		
• OTHER					
DEPOSITION/DAMAGE					
• ONSITE			situational concerning onsite deposition damage		
• OFFSITE			situational concerning offsite deposition damage		
DEPOSITION/SAFETY					
• ONSITE			situational concerning onsite safety/deposition		
• OFFSITE			situational concerning offsite safety/deposition		
OTHER					
<b>RESOURCE: WATER</b>					
<b>RESOURCE CONCERN: WATER QUANTITY</b>					
SEEPS			situational regarding seep development		
RUNOFF/FLOODING			moder. decrease in runoff/flooding		
EXCESS SUBSURFACE WATER			situational concerning excess subsurface H2O		
INADEQUATE OUTLETS			slight improvement in H2O outlet concern		
WATER MGT. IRRIGATION					
• SURFACE			N/A		
• SPRINKLER			N/A		
WATER MGT. NON-IRRIGATED			N/A		
RESTRICTED FLOW CAPACITY (H2O convey.)					
• ONSITE			moderate improvement in onsite drainage		
• OFFSITE			moderate improvement in offsite drainage		
RESTRICTED STORAGE			sign. reduction in sedimentation of H2O storage		
OTHER					

<b>RESOURCE: WATER</b>	
<b>RESOURCE CONCERN: WATER QUALITY</b>	
<b>RESOURCE INDICATORS</b>	<b>PHYSICAL EFFECTS</b>
GROUNDWATER CONTAMINANTS	
• PESTICIDES	moderate reduction GWater contaminants/pesticides
• NUTRIENTS AND ORGANICS	moderate poten. decrease/GWater contam./nutr,organ
• SALINITY	moderate poten. decrease/GWater contam./salinity
• HEAVY METALS	moderate poten.decrease/GWater contam./heavy metal
• PATHOGENS	moderate poten. decrease/GWater contam./pathegens
• OTHER	
SURFACE WATER CONTAMINANTS	
• PESTICIDES	moderate reduction in SWater contam./pesticides
• NUTRIENTS AND ORGANICS	moderate reduction in SWater contam./nutri.,organ.
• SUSPENDED SEDIMENTS	moderate reduction in SWater contam./susp. sedi.
• LOW DESOLVED OXYGEN	moderate reduction in SWater contam./low oxygen
• SALINITY	moderate reduction in SWater contam./salinity
• HEAVY METALS	moderate reduction in SWater contam./heavy metals
• WATER TEMPERATURE	moderate reduction in SWater contam./H20 temp.
• PATHOGENS	moderate decrease in SWater contam./pathegens
AQUATIC HABITAT SUITABILITY	significant improvement in Aqua. Hab. Suit.
OTHER	
<b>RESOURCE: AIR</b>	
<b>RESOURCE CONCERN: AIR QUALITY</b>	
AIRBORNE SEDIMENT AND SMOKE PARTICLES	
• ONSITE SAFETY	moder. decrease in airborn sed.&smoke part./safety
• OFFSITE SAFETY	moder. decrease in airborn sed.&smoke part./safe
• ONSITE STRUCT. PROBLEMS	moder. decrease in struct.problems/dust and smoke
• OFFSITE STRUCT. PROBLEMS	moder. decrease in structural problems/dust&smoke
• ONSITE HEALTH	moder. decrease in onsite health prob./dust&smoke
• OFFSITE HEALTH	mod. improvement in offsite health
AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS	sign. decrease in airborn sediment/convey. prob.
AIRBORNE CHEMICAL DRIFT	N/A
AIRBORNE ODORS	N/A
FUNGI, MOLDS, AND POLLEN	N/A
OTHER	
<b>RESOURCE CONCERN: AIR CONDITION</b>	
AIR TEMPERATURE	moder. improvement in air condition/ temperature
AIR MOVEMENT (windbreak effect)	insignificant
HUMIDITY	insignificant
OTHER	

[illegible]

RESOURCE: <b>HUMAN</b>	
RESOURCE CONCERN: <b>SOCIAL CONSIDERATIONS</b>	
<b>RESOURCE INDICATORS</b>	<b>PHYSICAL EFFECTS</b>
PUBLIC HEALTH AND SAFETY	insignificant
PRIVATE/PUBLIC VALUES	sign. improvement in private/public values
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: <b>CULTURAL CONSIDERATIONS</b>	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	situational regarding cultural resources
SIGNIFICANCE OF CULTURAL RESOURCES	situational regarding cultural resources
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	situational regarding cultural resources
OTHER	